

Job #: 758/792/798
Project: Rappel Mount/Cargo Arm/Rappel Step
Type: Bell 212, 412, 205A-1, 205B

Approval: C-LSH08-157/D
Drawing List: DCL758-1 rev 2, DCL758-2 rev 1, DCL792-1 rev 2, DCL792-2 rev 1, DCL798-1 rev 1, DCL798-2 rev 0, DCL801 Rev 0.

<u>Fabrication and Assembly Drawing(s)</u>	<u>Description</u>
75801	Rappel Mount Installation
75820	Rappel Mount Assy
75824	Assy, plug stn 105
75825	Assy, plug stn guide
75826	Assy, plug stn 131
75830	Tube
75831	Retainer
75832	Guide
75833	Stanchion adapter
75834	Curved washer
75835	Gate parts
75836	Bearing Clip
79201	Cargo Arm Inst
79220	Cargo Arm Assy
79230	Cargo Arm
79231	Bearing Sleeve
79232	Cover
79233	Bushing
79234	Sleeve
79235	Lock Leaver
79236	Bushing
79237	Bushings
79801	Rappel Step Inst
79820	Rappel Step Assy
79830	Step
79831	Mounting Plate 84
79832	Mounting Plate 129
79833	Block
79834	Kick Plate
79835	Bushing
78230	Step Extrusion
80120	Bracket

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:

Project is on Approval Limitation Record:	<u>NO</u>
Document Control List revision level matches (or exceeds) STC:	<u>Y</u>
Drawings revision levels match Document Control List:	<u>Y</u>
Purchase order or Work order source is recorded for each part/ass'y:	<u>Y</u>
Tests and inspections specifically called out on drawings are complete:	<u>Y</u>
Release tags associated with all fabricated parts are attached:	<u>NO</u>
All mounting hardware and supplies are included:	<u>See BOM</u>

List all non-conformities raised: Parts 79231-01, 79232-01 See ED792-1 rev 0

Inspector Signature: _____

Date: _____

Not STC, CANNOT SIGN OUT RELEASE TAGS.

Batch Quantity: 1 set

Qty	Part #	Description	Material	P.O./W.O.	Checked
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SEE ATTACHED BILL OF MATERIALS SHEETS

Processes	Per	Mat'ls Used	Inspection	Signature
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Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

75801 Rappel Mount

P/N	Desc	Mat'l	Type	Stock	Req'd length or dim	Qty per ship	PO No.	Notes
75824	Plug Stn 105	6061-T6	Rod	1.25	2.5	1	3005	
75825	Plug Guide	6061-T6	Rod	1	2.5	1	2022	
75826	Plug Stn 131	6061-T6	Rod	1	6	1	2022	
75830	Tube	4130	Tube	1.25 x 0.059 W	27.53	1	8024	
75831	Guide	6061-T6	Plate	1	2 x 1	1	7028	
75832	Retainer	6061-T6	Plate	0.75	5.2 x 1.875	1	7028	
75833	Stanchion Adapter	6061-T6	Bar	2	6.875	1	3005	
75834	Curved Washer	6061-T6	Bar	1.125	0.375	1	2022	
75835-01	Plunger	304	Rod	0.63	2.6375	1	9501	
75835-02	Knob	304	Rod	0.75	0.75	1		See DCN75835
75836	Bearing Clip	6061-T4	Tube	2"OD	0.63	2		
75801-11	Placard					1		
75801-12	Placard					1		
75801-13	Placard					1		
	3/8"x24 helicoil					2	7079	
	5/16"x24 helicoil					4	7065	
33115	Stud fitting		KINEDYNE			2	8030	
24704	Spring		DYNALINE (the bolt supply house)			1	8050	
AN5-15A	Bolt					4	8048	
AN3-23A	Bolt					1	6029	
AN4-24A	Bolt					1	4038	
AN960-516	Washer					4	7044	
AN960-10	Washer					2	7077	
AN960-416	Washer					2	7036	use NAS1149F0463P
MS20365-428	Locknut					1	7036	use NAS1149F0363P
MS20365-1032	Locknut					1	7077	
MS24693-S34	Screw					1		
Raptor	Hook Knife		Vanguard Technetics (Safety Knife)			1	NOT SUPPLIED BY AERO DESIGN	

79201 Cargo Arm

[illegible]

79801 Rappel Step

[illegible]

80120 Bracket

[illegible]

CONFORMITY INSPECTION RECORD

Applicant	Aeronautical Product				Title of Change	
	Make	Model	Serial No.	Registration	Cargo Deployment Arm	
AERO Design Ltd	Bell	212, 412, 205A-1, 205B				
Drawing No.	Applicant's Inspector		T.C. Inspection		Findings/DCNs	
	Signature	Date	Signature	Date		
79201 R1	<i>[Signature]</i>	June 18/08			Change A (DCN 79201 R0) R1)	
79220 R1	<i>[Signature]</i>				No plicard installed.	
79230 R0	<i>[Signature]</i>				Change A (DCN 79230 R0)	
79231 R0	<i>[Signature]</i>				ADDITIONAL BOLT HOLE IN BEARING SLEEVE DRILLED 90DEG OFF ALIGNMENT. SEE ENGINEERING DISPOSITION ED792-1.	
79232 R0	<i>[Signature]</i>				LENGTH OF COVER OUTSIDE OF TOLERANCE. SEE ENGINEERING DISPOSITION ED792-1.	
79233 R0	<i>[Signature]</i>				Change A (DCN 79233 R0)	
79234 R0	<i>[Signature]</i>					
79235 R0	<i>[Signature]</i>				Dim $\phi 2.875$ should be $\phi 3.000$	
79236 R0	<i>[Signature]</i>					
79237 R0	<i>[Signature]</i>					

APPLICANT'S ATTESTATION

I hereby confirm that the prototype installation for the subject

☒ MODIFICATION,

☐ REPAIR,

☐ TSO/AP-TC ARTICLE

is in conformity with the applicable installation drawing(s) listed above and that necessary ground tests have been carried out.
[Please check (✓) the applicable box.]

Additional Information:

Signature: *[Signature]*

TC INSPECTION

☒ ACCEPTABLE

☐ UNACCEPTABLE

Remarks:

Signature: *[Signature]* M. S. Newher

CONFORMITY INSPECTION RECORD

Applicant	Aeronautical Product				Title of Change
AERO Design Ltd	Make	Model	Serial No.	Registration	Rappel Mount Provision
	Bell	212, 412, 205A-1, 205B			
Drawing No.	Applicant's Inspector		T.C. Inspection		Findings/ DCNs
	Signature	Date	Signature	Date	
75801 RØ	<i>[Signature]</i>	June 18/18			No Piece installed
75820 RØ	<i>[Signature]</i>				Change A (DCN 75801 RØ)
75824 R1	<i>[Signature]</i>				Change A (DCN 75820 RØ)
75825 R1	<i>[Signature]</i>				
75826 R1	<i>[Signature]</i>				
75830 RØ	<i>[Signature]</i>				
75831 RØ	<i>[Signature]</i>				
75832 RØ	<i>[Signature]</i>				
75833 RØ	<i>[Signature]</i>				
75834 RØ	<i>[Signature]</i>				Change A (DCN 75833 RØ)
75835 RØ	<i>[Signature]</i>				Change A (DCN 75835 RØ)
75836 RØ	<i>[Signature]</i>				

APPLICANT'S ATTESTATION

I hereby confirm that the prototype installation for the subject

☒ MODIFICATION,

☐ REPAIR,

☐ TSO/AP-TC ARTICLE

is in conformity with the applicable installation drawing(s) listed above
and that necessary ground tests have been carried out.
[Please check (✓) the applicable box.]

Additional Information:

Signature: *[Signature]*

TC INSPECTION

☒ ACCEPTABLE

☐ UNACCEPTABLE

Remarks:

Signature: *[Signature]* M. STEWART

CONFORMITY INSPECTION RECORD

Applicant	Aeronautical Product				Title of Change
AERO Design Ltd	Make	Model	Serial No.	Registration	Rappel Step
	Bell	212, 412, 205A-1, 205B			
Drawing No.	Applicant's Inspector		T.C. Inspection		Findings
	Signature	Date	Signature	Date	
79801 RØ	<i>[Signature]</i>	<i>June 18/88</i>			
79820 RØ	<i>[Signature]</i>				<i>Rivets Not Staggered and spaced per drawing.</i>
79830 RØ	<i>[Signature]</i>				
79831 RØ	<i>[Signature]</i>				
79832 RØ	<i>[Signature]</i>				
79833 RØ	<i>[Signature]</i>				
79834 RØ	<i>[Signature]</i>				
79835 RØ	<i>[Signature]</i>				
78230 RØ	<i>[Signature]</i>				

APPLICANT'S ATTESTATION

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☒ MODIFICATION,

☐ REPAIR,

☐ TSO/AP-TC ARTICLE

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[Please check (✓) the applicable box.]

Additional Information:

Signature: *[Signature]*

TC INSPECTION

☒ ACCEPTABLE

☐ UNACCEPTABLE

Remarks:

Signature: *[Signature]* M STEWART

CONFORMITY INSPECTION RECORD

Applicant	Aeronautical Product				Title of Change
AERO Design Ltd	Make	Model	Serial No.	Registration	Bracket
	Bell	212, 412, 205A-1, 205B			
Drawing No.	Applicant's Inspector		T.C. Inspection		Findings
	Signature	Date	Signature	Date	
80120 <i>RG</i>	<i>[Signature]</i>	<i>June 18/08</i>			

APPLICANT'S ATTESTATION

I hereby confirm that the prototype installation for the subject

☒ MODIFICATION,

☐ REPAIR,

☐ TSO/AP-TC ARTICLE

is in conformity with the applicable installation drawing(s) listed above
and that necessary ground tests have been carried out.
[Please check (✓) the applicable box.]

Additional Information:

Signature: *[Signature]*

TC INSPECTION

☒ ACCEPTABLE

☐ UNACCEPTABLE

Remarks:

Signature: *[Signature]* M STEWART

DRAWING: 79231

FINDING:

1. ADDITIONAL BOLT HOLE IN BEARING SLEEVE DRILLED 90DEG OFF ALIGNMENT.

ENGINEERING JUSTIFICATION:

TENSILE AREA OF BEARING SLEEVE WITH ADDITIONAL BOLT HOLE: 0.423IN^2

UNTIMATE TENSILE LOAD (FROM ER758.01): 1294LBF

STRESS: $\text{LOAD/TENSILE AREA} = 1294\text{LBF}/0.423\text{IN}^2 = 3060\text{PSI}$

304 STAINLESS STEEL HAS AN F_{tu} GREATER THAN 70KSI, MARGIN OF SAFETY IS POSITIVE.
ACCEPTABLE AS IS.

DRAWING: 79232

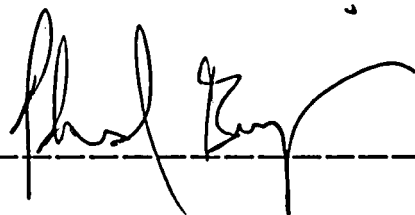
FINDING:

1. LENGTH OF COVER OUTSIDE OF TOLERANCE.

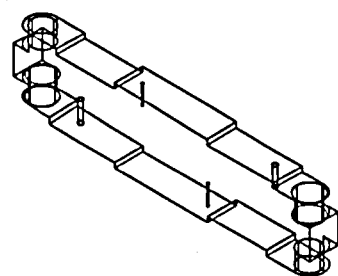
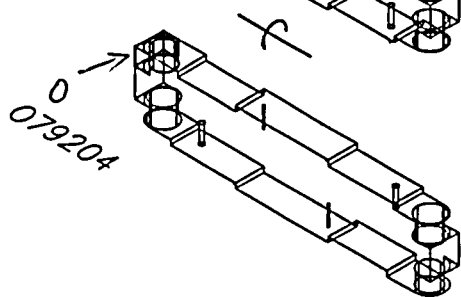
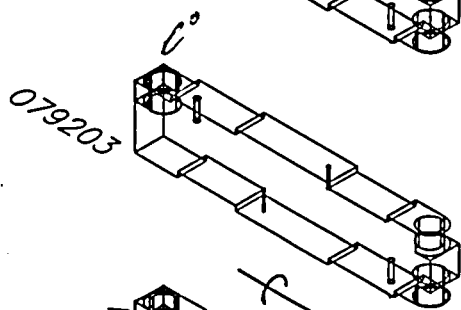
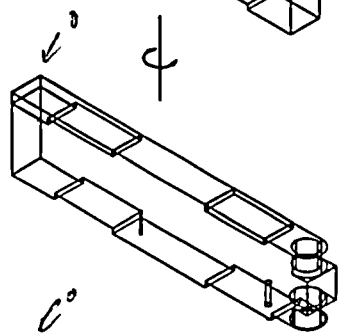
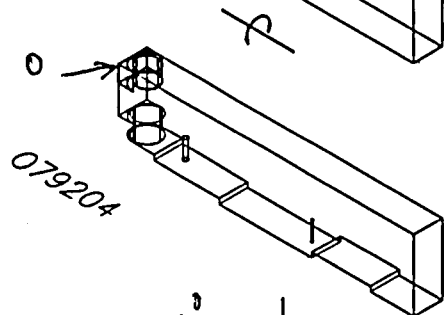
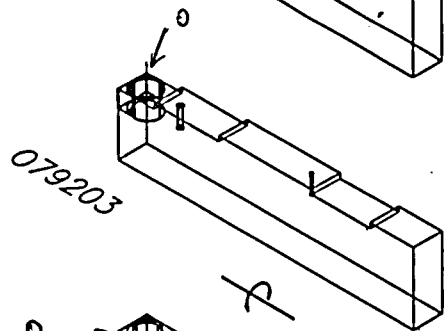
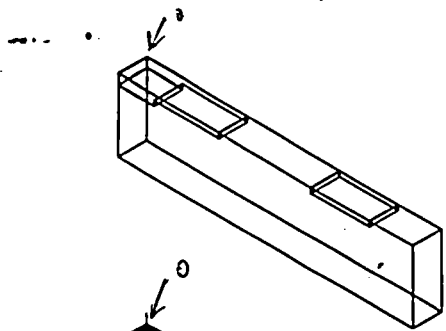
ENGINEERING JUSTIFICATION:

ON INSPECTION, COVER PERFORMS INTENDED FUCTION WITHOUT INTERFERING WITH OTHER COMPONENTS. ACCEPTABLE AS IS.

APPROVED: _____



APPROVALS		DATE		AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca					
DRAWN: R_RATHWELL		15/06/08							
CHECKED: T_BURGOIN		15/06/08							
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ± 0.010 $\pm 1/2^\circ$ X.XX ± 0.03 X.X ± 0.1				ENGINEERING DISPOSITION					
				SCALE_1:1		DWG. SIZE	DWG. NO.	REV.	-
				SHEET 1 OF 1		A4	ED792-1	0	—

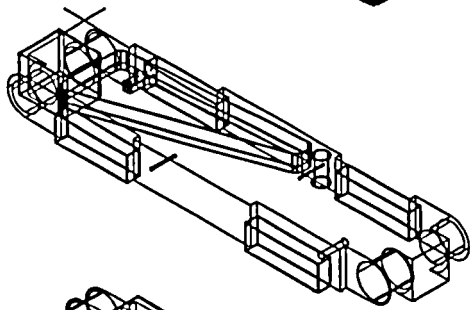


G101 Y0 \neq mirror about \cdot

G100 Y0 to cancel mirror @ end

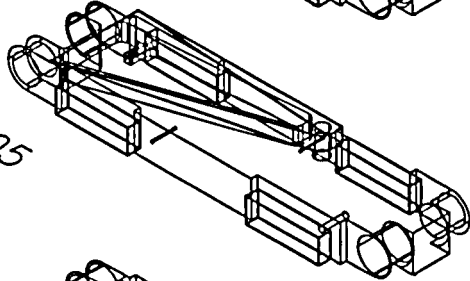
$$\sqrt[6]{18}$$

50 pcs.



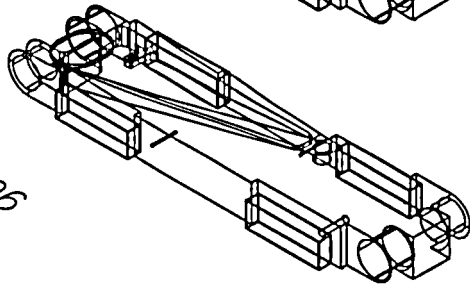
Pockets / Holes

079205

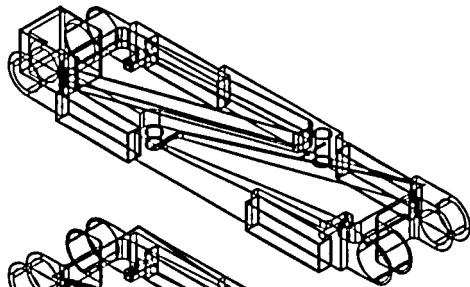


Taper

079206

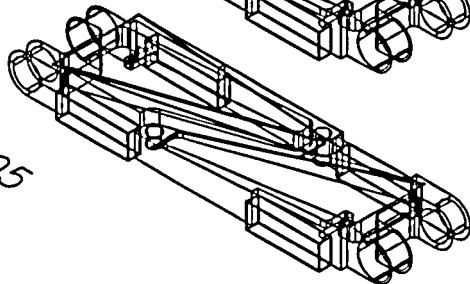


Slot



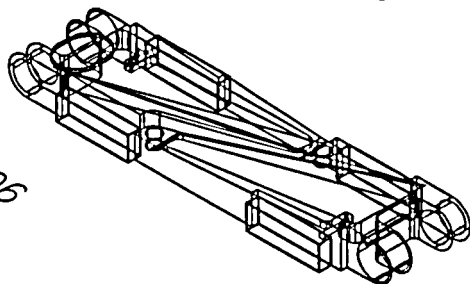
Pocket holes

079205



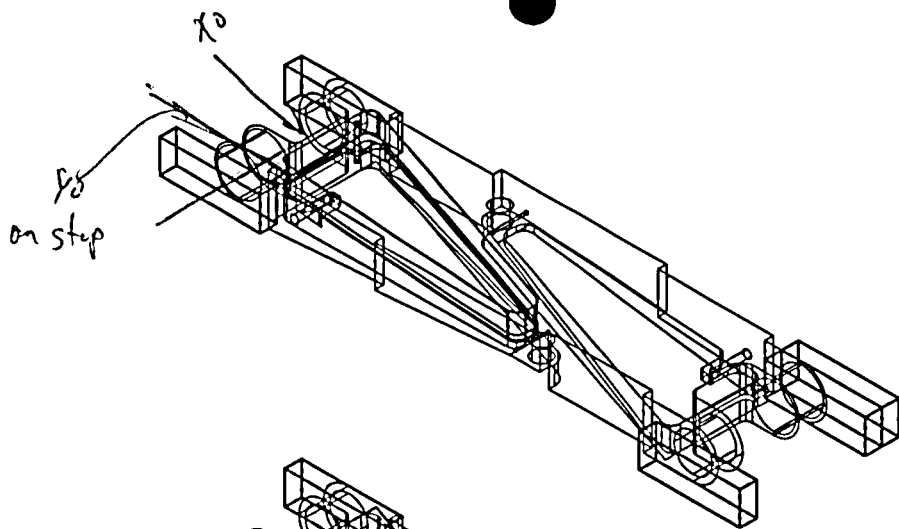
Taper

079206

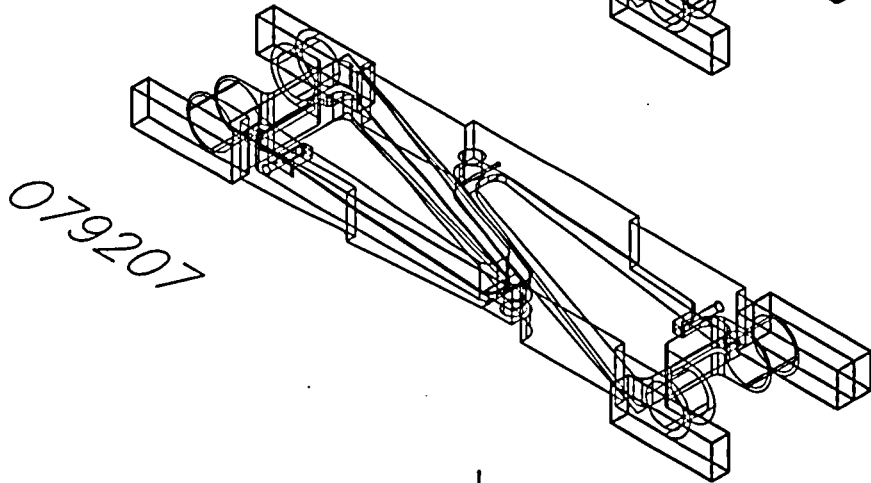


Slot.

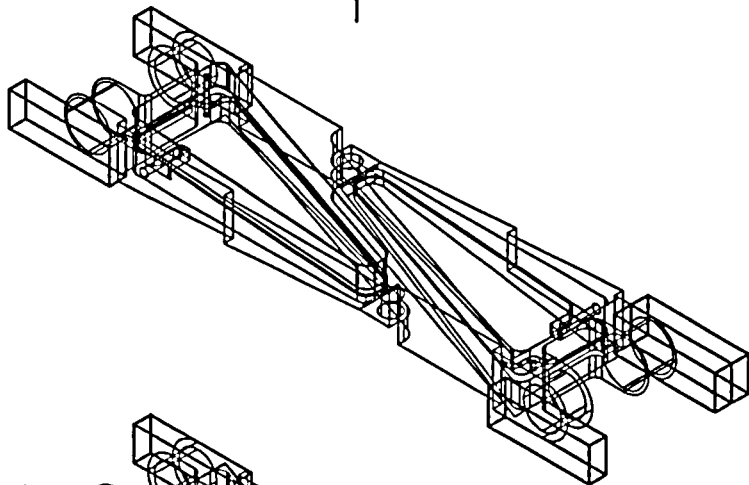




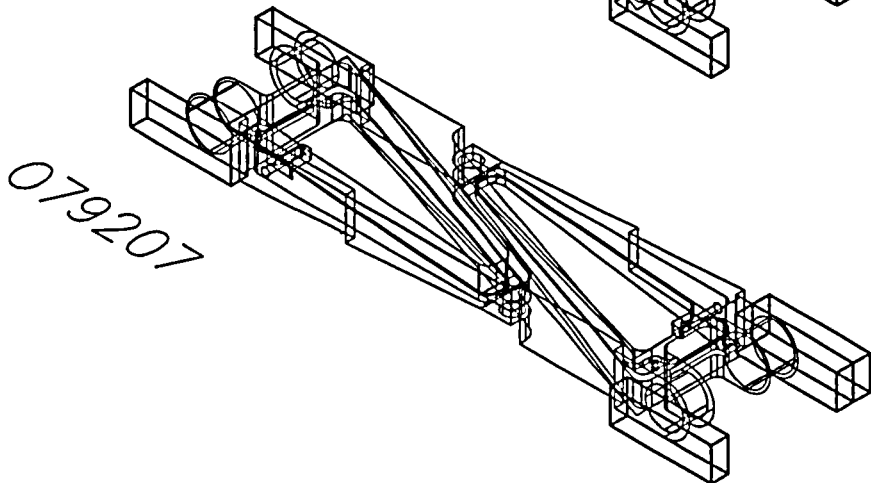
Pocket



Taper /dr. 11

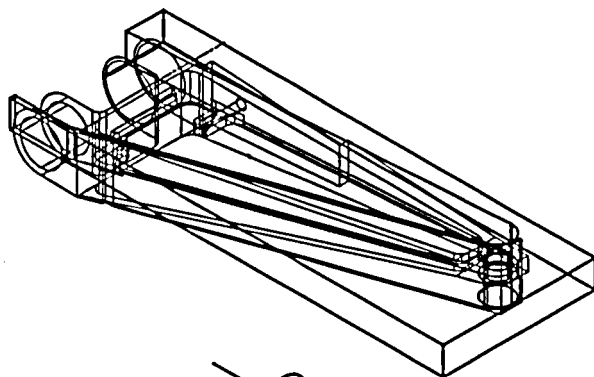


Pocket

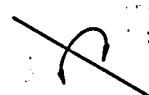
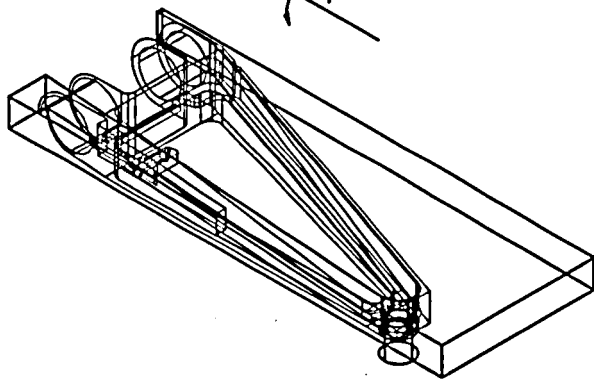


Taper /drill

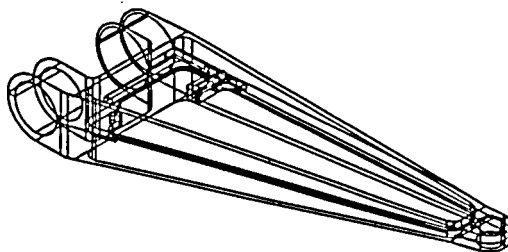
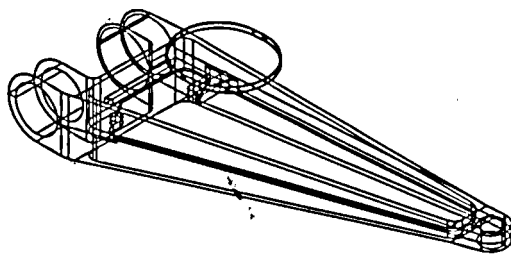
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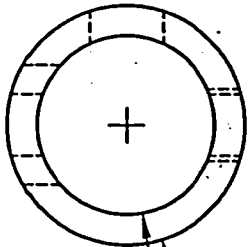
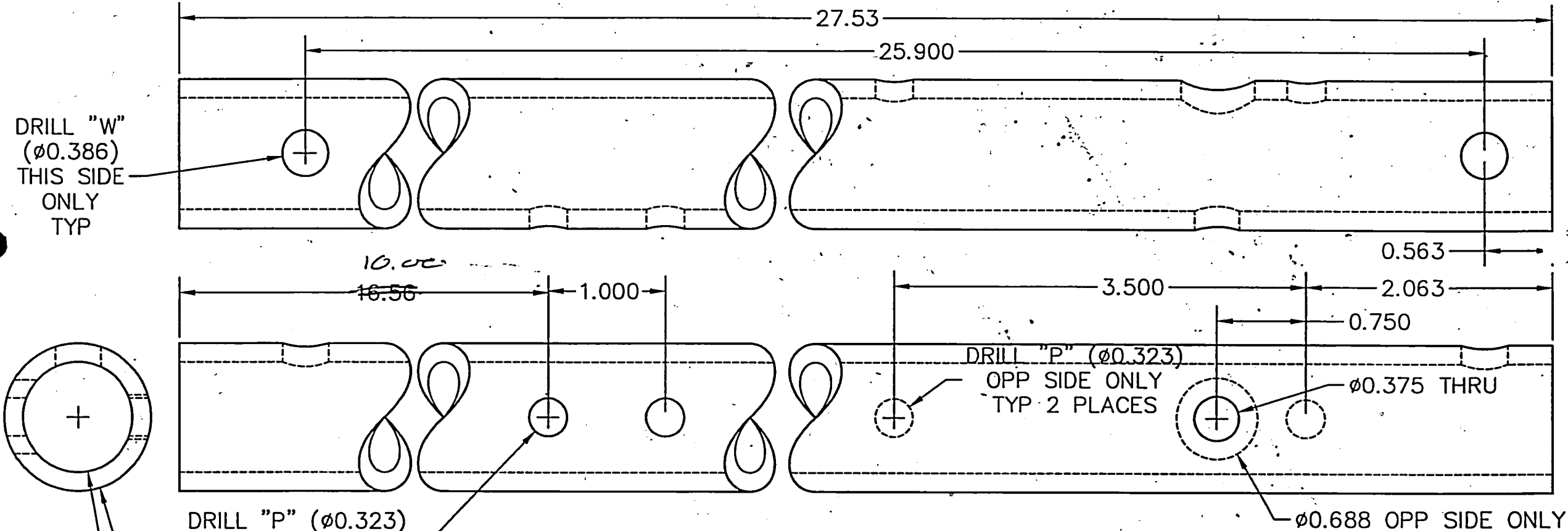
079209



079210



REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



DRILL "P" (ø0.323)
THIS SIDE ONLY
TYP 2 PLACES

(ø1.250) STOCK

(ø0.933) STOCK

NOTES

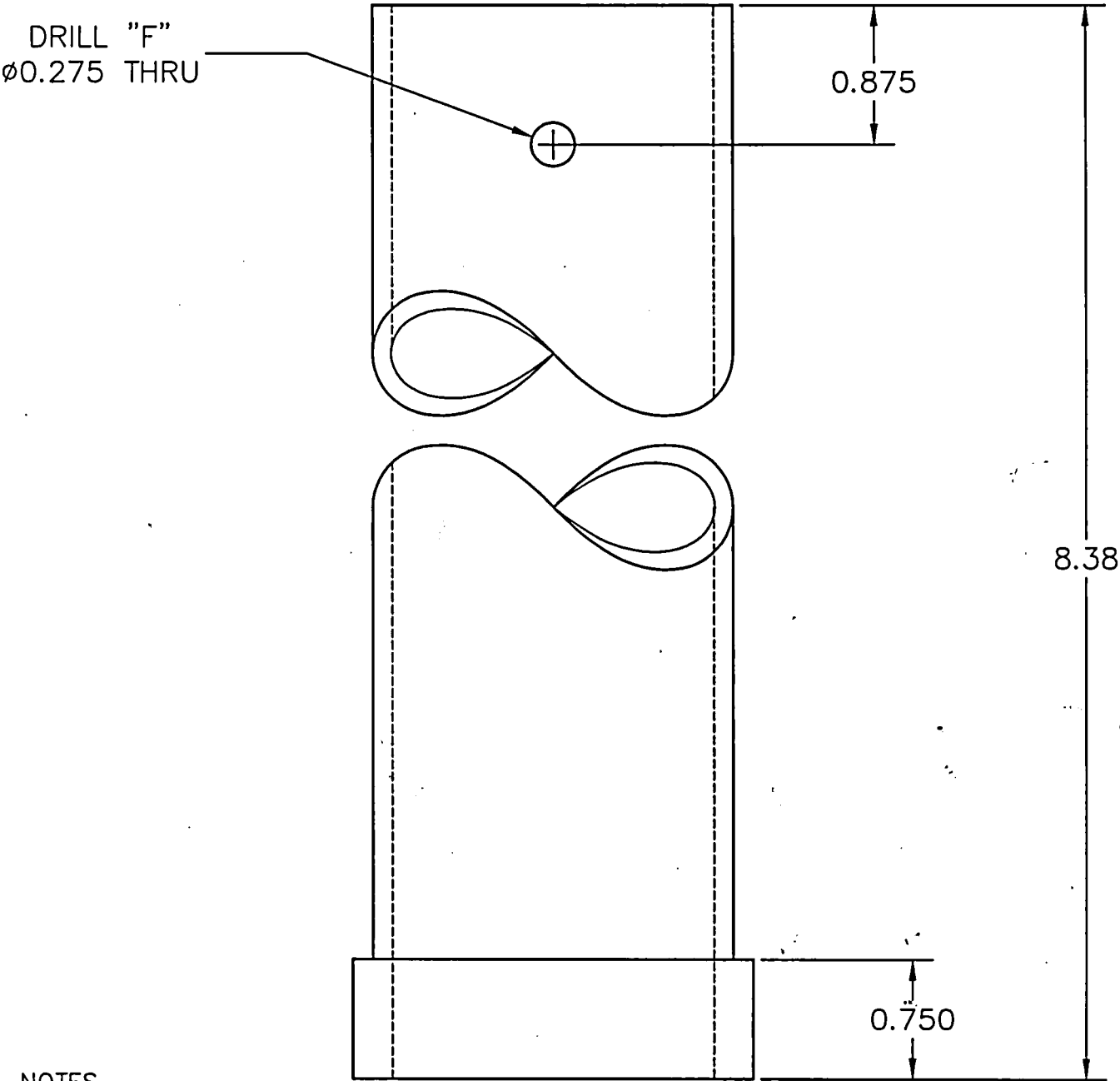
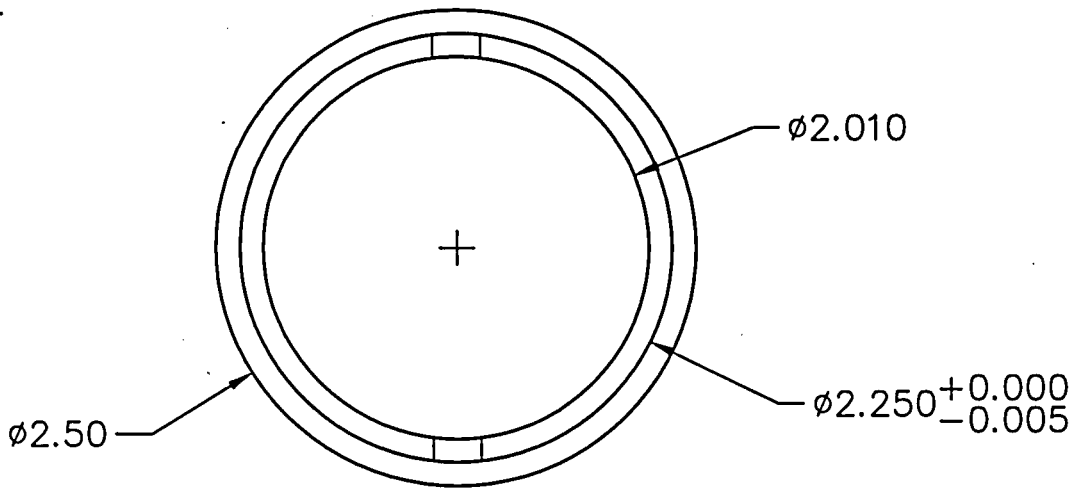
1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. FINISH: PART TO BE THOROUGHLY DEGREASED,,
OUTSIDE SURFACES PRIMED AND PAINTED PRIOR TO ASSEMBLY.

1	75830-01	01	TUBE	4130 STEEL TUBE	AMS-T-6736	1.25 OD X 0.059 WALL
01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					
<div> <div>NOTICE</div> <div>THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DERIVED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.</div> </div>				<div> <div>AERO DESIGN LTD.</div> <div>CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M-2013 - 38TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7</div> <div>tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca</div> </div>		
				<div> <div>BELL 212, 412, 205A-1, 205B</div> <div>RAPPEL MOUNT PROVISION</div> <div>TUBE</div> </div>		
				SCALE 1 : 1	DWG. SIZE	DWG. NO.
				SHEET 1 OF 1	LGL	75830

APPROVALS	DATE
DRAWN: R. RATHWELL	22/04/08
CHECKED: E. BURGAIN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1	

SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	LGL	75830	0

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



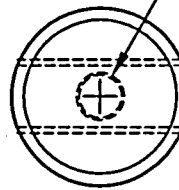
NOTES
 1. BREAK ALL EDGES.

1	79234-01	01	SLEEVE	NYLON BAR		DIA 2.50 MIN
01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					

NOTICE THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.	APPROVALS DRAWN: R. RATHWELL CHECKED: E. BURGOIN		DATE 22/04/08		AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca	
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1					
	SCALE 1 : 1 SHEET 1 OF 1				DWG. SIZE LGL	
	DWG. NO. 79234				REV. 0	
	BELL 212, 412, 205A-1, 205B CARGO DEPLOYMENT ARM SLEEVE					

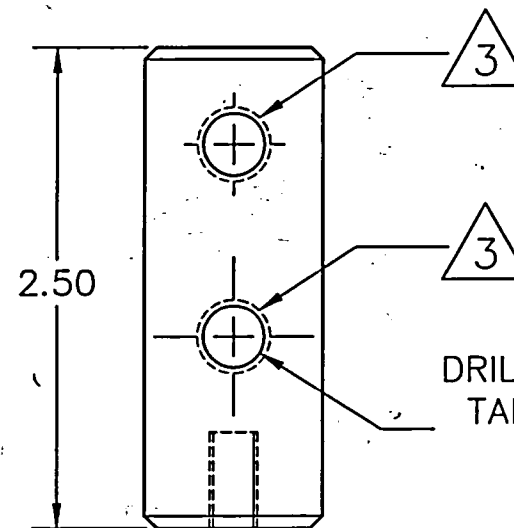
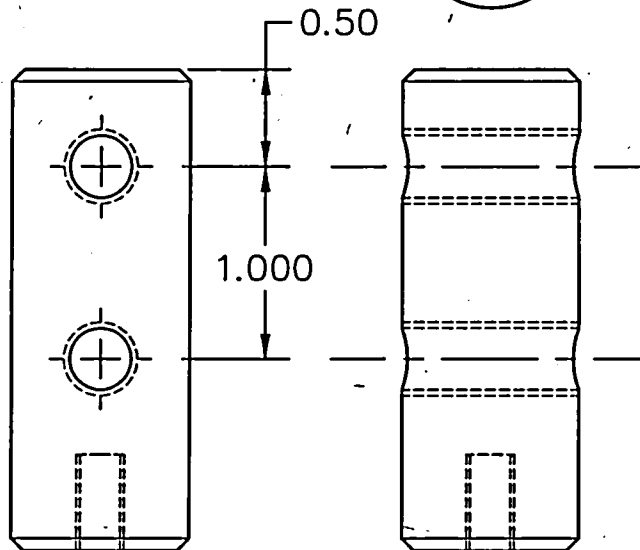
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	REPLACE LOCKNUTS WITH HELICOILS	RR	22/05/08

DRILL NO. 3 (0.2130) $\nabla 0.5$
TAP 0.25-28



$\phi 0.928^{+0.000}_{-0.005}$

f02022



DRILL 21/64 THRU
TAP - HELICOIL
TOOL 5FPB
TYP

2	3591-5CN625	03	HELICOIL 5/16-28 LOCKING			
1	75825-02	02	PLUG, GUIDE	6061-T6 ALUM BAR	ASM-QQ-A-200/8	1.0 DIA
	75825-01	01	ASSEMBLY, PLUG GUIDE			
QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE

LIST OF MATERIALS

THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN.

APPROVALS	DATE
DRAWN: R. RATHWELL	22/04/08
CHECKED: E. BURGOIN	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:	
DECIMALS	ANGLES
X.XXX ± 0.010	$\pm 1/2^\circ$
X.XX ± 0.03	
X.X ± 0.1	

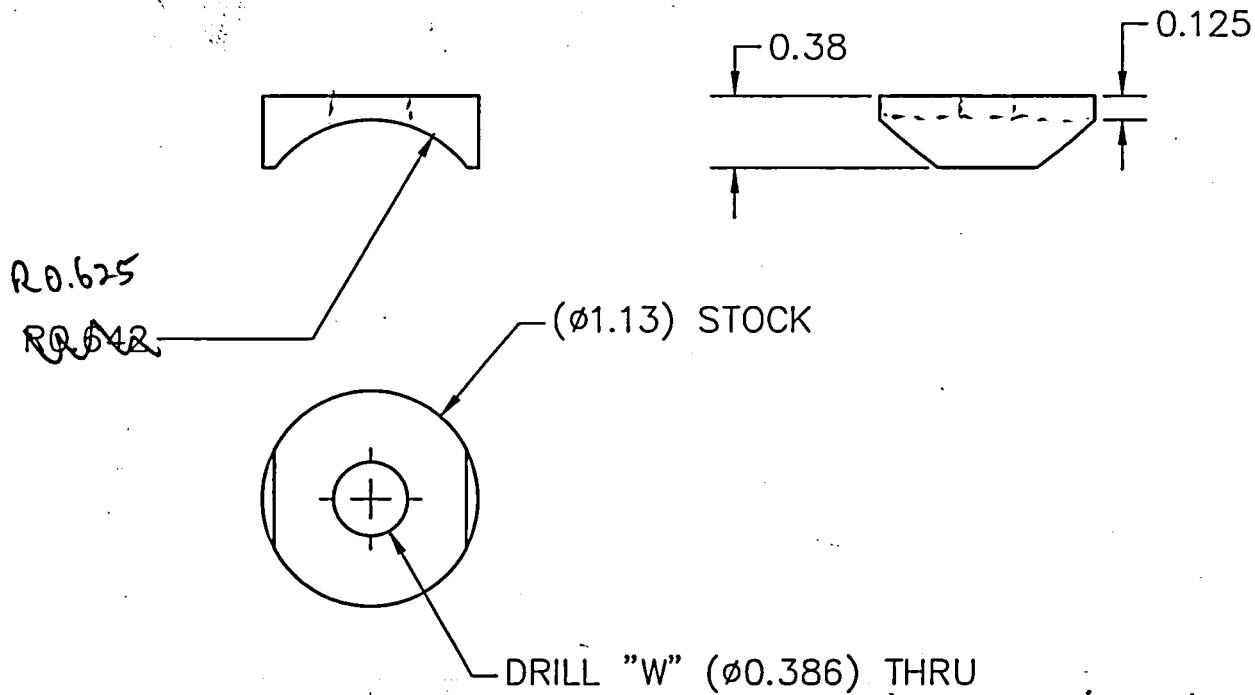
AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca			
BELL 212, 412, 205A-1, 205B RAPPEL MOUNT PROVISION ASSEMBLY, PLUG, GUIDE			
SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1	A4	75825	1

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. ITEM 2 "PLUG GUIDE" TO BE THOROUGHLY DEGREASED AND ALODINED PRIOR TO ASSEMBLY.

3. INSERT ITEM 03 (HELICOIL) PER HELICOIL INSTALLATION INSTRUCTIONS - WITH LOCITE2440.

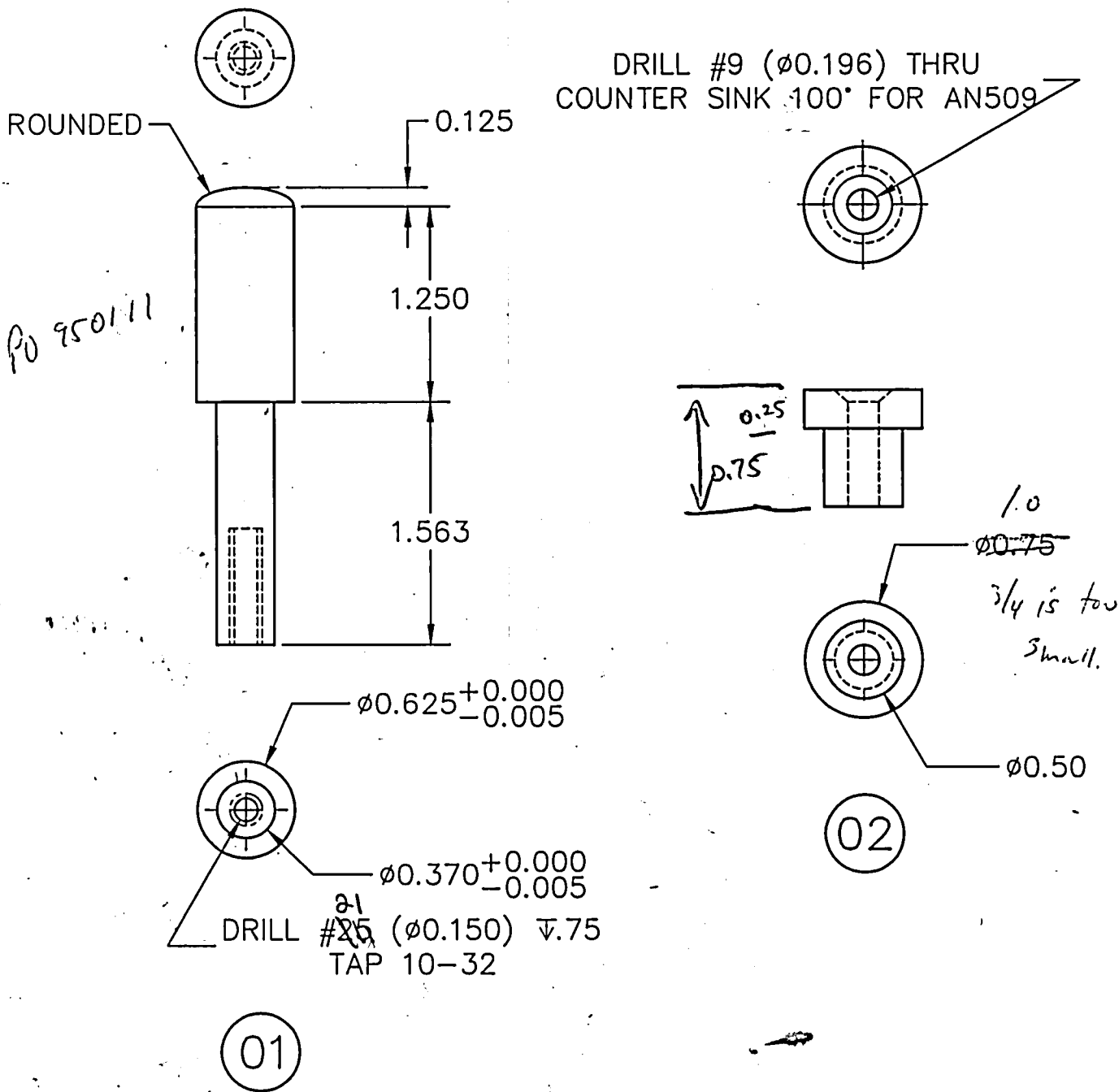
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



- NOTES
1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
 2. FINISH: PART TO BE THOROUGHLY DEGREASED, ALODINED, PRIMED AND PAINTED PRIOR TO ASSEMBLY.

1	75834-01	01	CURVED WASHER	6061-T6 ALUM BAR	ASM-QQ-A-200/8	1.13 DIA
01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					
THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREON.			APPROVALS	DATE	AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca	
			DRAWN: R. RATHWELL	22/04/08		
			CHECKED: E. BURGAIN			
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1		BELL 212, 412, 205A-1, 205B RAPPEL MOUNT PROVISION CURVED WASHER	
SCALE 1 : 1 SHEET 1 OF 1		DWG. SIZE	DWG. NO.	REV.		
		A4	75834	0		

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



NOTES

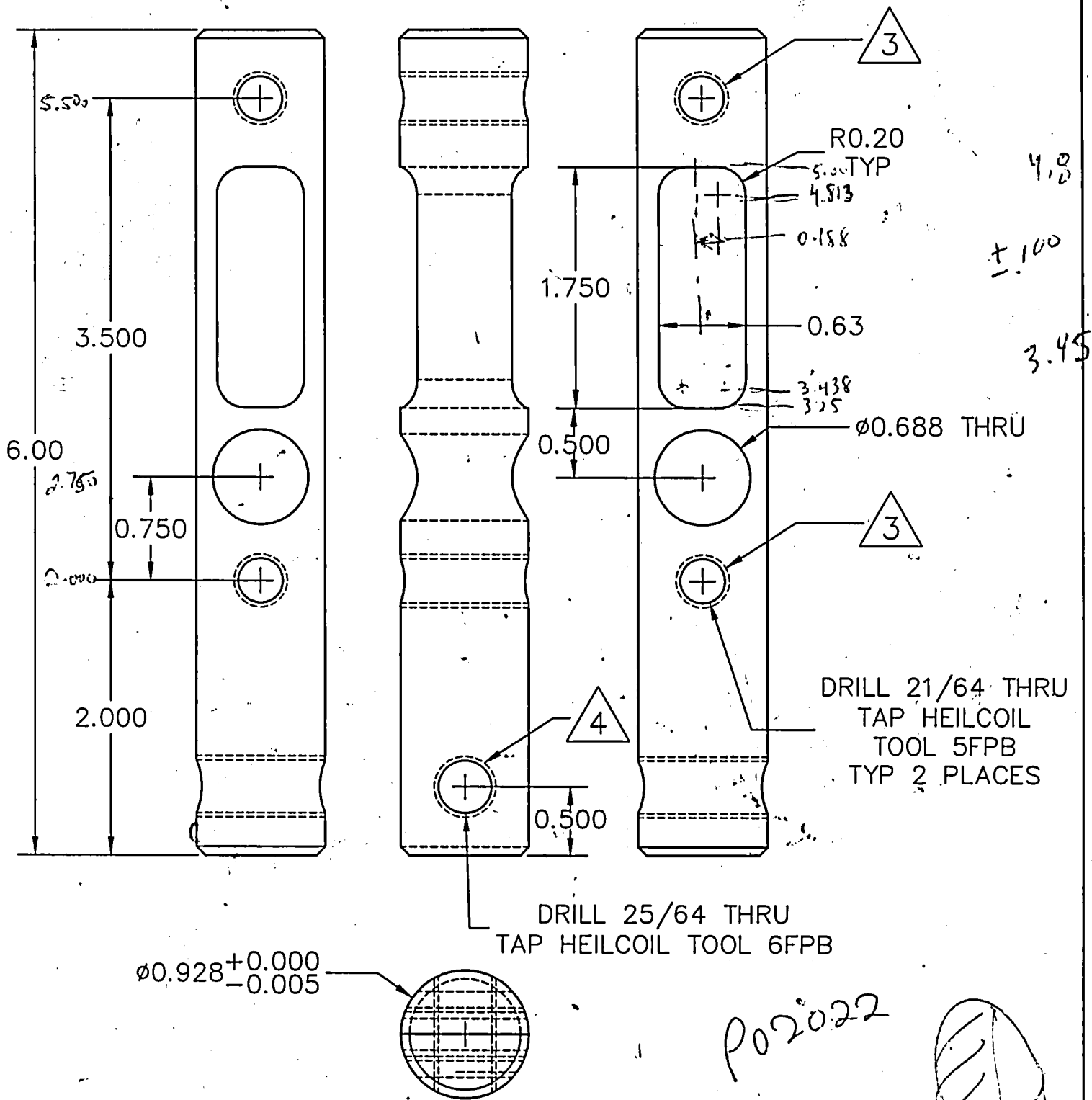
1. REMOVE ALL BURRS AND BREAK SHARP EDGES.

6061-T6

1	75835-02	02	GATE KNOB	304 STAINLESS ROD	ASTM-A276	ø 0.75 MIN
1	75835-01	01	GATE PLUNGER	304 STAINLESS ROD	ASTM-A276	ø 0.63 MIN
QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
LIST OF MATERIALS						

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	DRAWN: R. RATHWELL		22/04/08					
	CHECKED: E. BURGOIN							
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1				BELL 212, 412, 205A-1, 205B RAPPEL MOUNT PROVISION GATE PARTS			
					SCALE 1 : 1		DWG. SIZE	
SHEET 1 OF 1		LGL		75835		0		

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	REPLACE LOCKNUTS WITH HELICOILS	RR	22/05/08



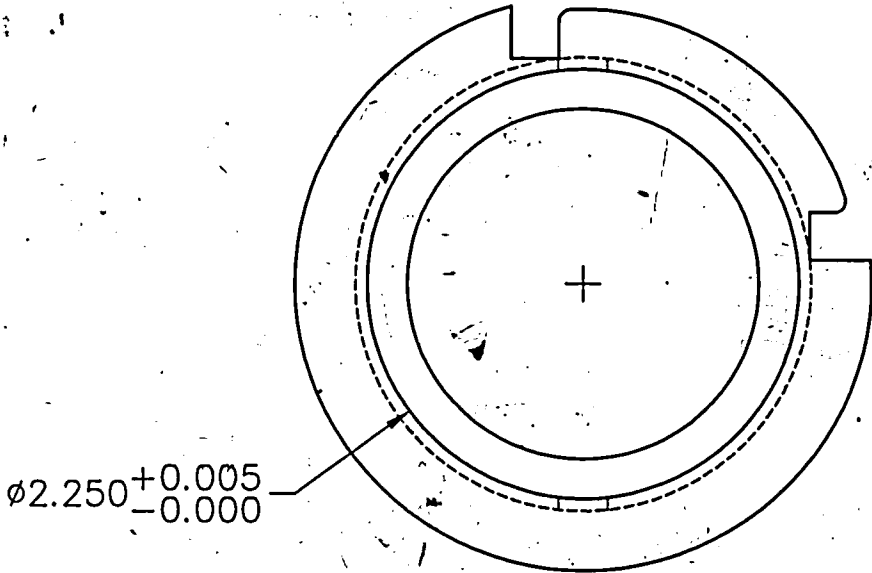
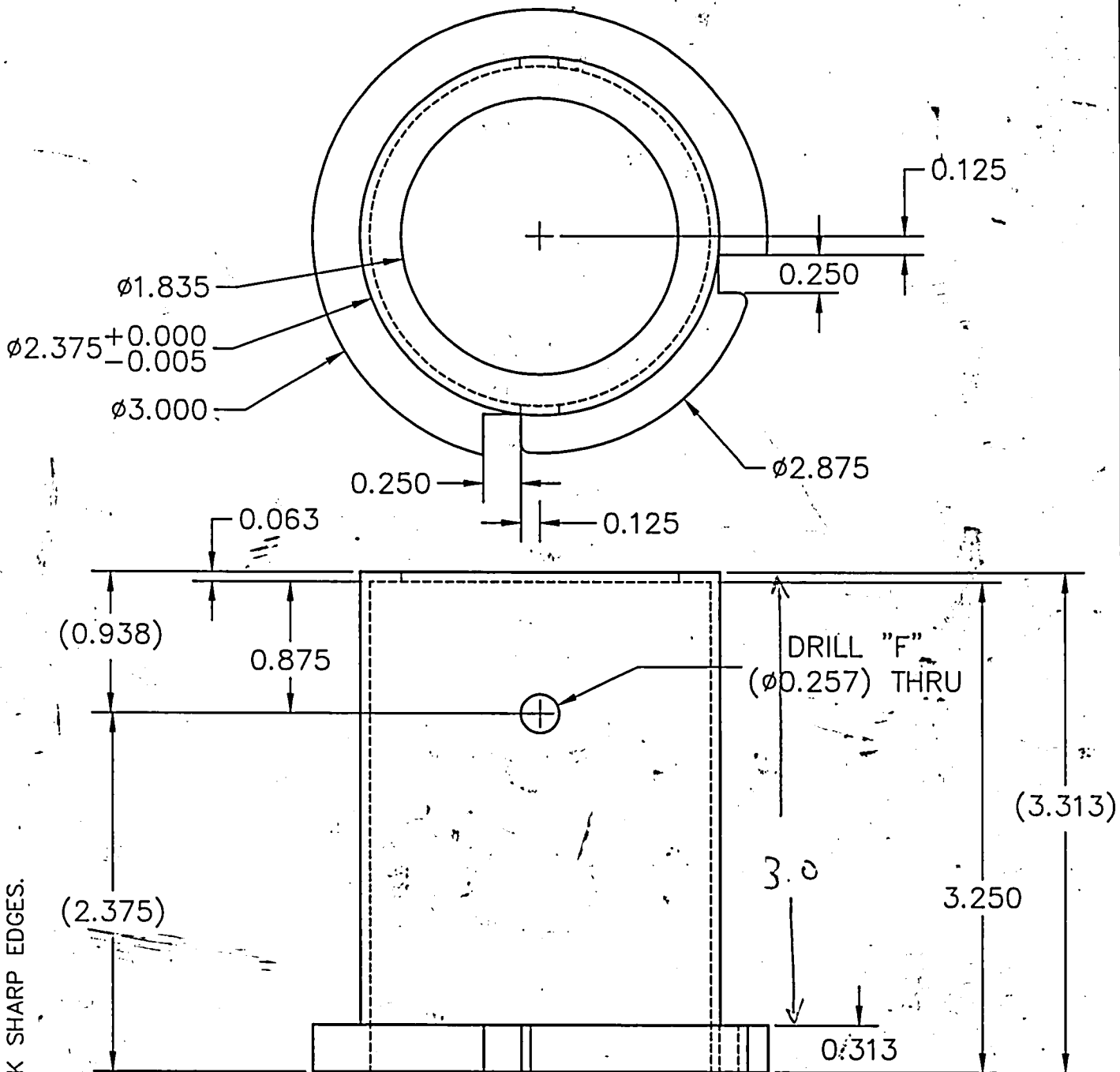
NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. ITEM 2 "PLUG STN 131" TO BE THOROUGHLY DEGREASED AND ALODINED PRIOR TO ASSEMBLY.
- 3 INSERT ITEM 03 (HELICOIL) PER HELICOIL INSTALLATION. INSTRUCTIONS – WITH LOCTITE2440.
- 4 INSERT ITEM 04 (HELICOIL) PER HELICOIL INSTALLATION INSTRUCTIONS – WITH LOCTITE2440.

2	3591-6CN562	04	HELICOIL 3/8-24 LOCKING			
2	3591-5CN625	03	HELICOIL 5/16-24 LOCKING			
1	75826-02	02	PLUG STN 131	6061-T6 ALUM BAR	ASM-QQ-A-200/8	1.0 DIA
	75826-01	01	ASSEMBLY, PLUG STN 131			
QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE

<div> <div> APPROVALS DATE </div> <div> DRAWN: R. RATHWELL 22/04/08 </div> <div> CHECKED: E. BURGOIN </div> </div>			<div> AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 tel: (403) 250-8027 fax: (403) 250-8333 www.aerodesign.ca </div>			
			<div> UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1 </div>			
<div> NOTICE THIS DRAWING CONTAINS INFORMATION AND DATA WHICH IS PROPRIETARY TO AERO DESIGN LTD. THIS DRAWING, OR ANY PORTION THEREOF, MAY NOT BE REPRODUCED, COPIED, OR DUPLICATED IN ANY MANNER, NOR USED FOR MANUFACTURING WITHOUT THE WRITTEN CONSENT OF AERO DESIGN LTD. BY ACCEPTING THIS DRAWING FOR REFERENCE, THE RECIPIENT AGREES TO HOLD AERO DESIGN LTD. HARMLESS FROM THE USE, OR MISUSE, OF THIS DRAWING OR THE INFORMATION CONTAINED THEREIN. </div>			<div> BELL 212, 412, 205A-1, 205B RAPPEL MOUNT PROVISION ASSEMBLY, PLUG, STN 131 </div>			
<div> SCALE 1 : 1 SHEET 1 OF 1 </div>			<div> DWG. SIZE DWG. NO. REV. LGL 5826 1 </div>			

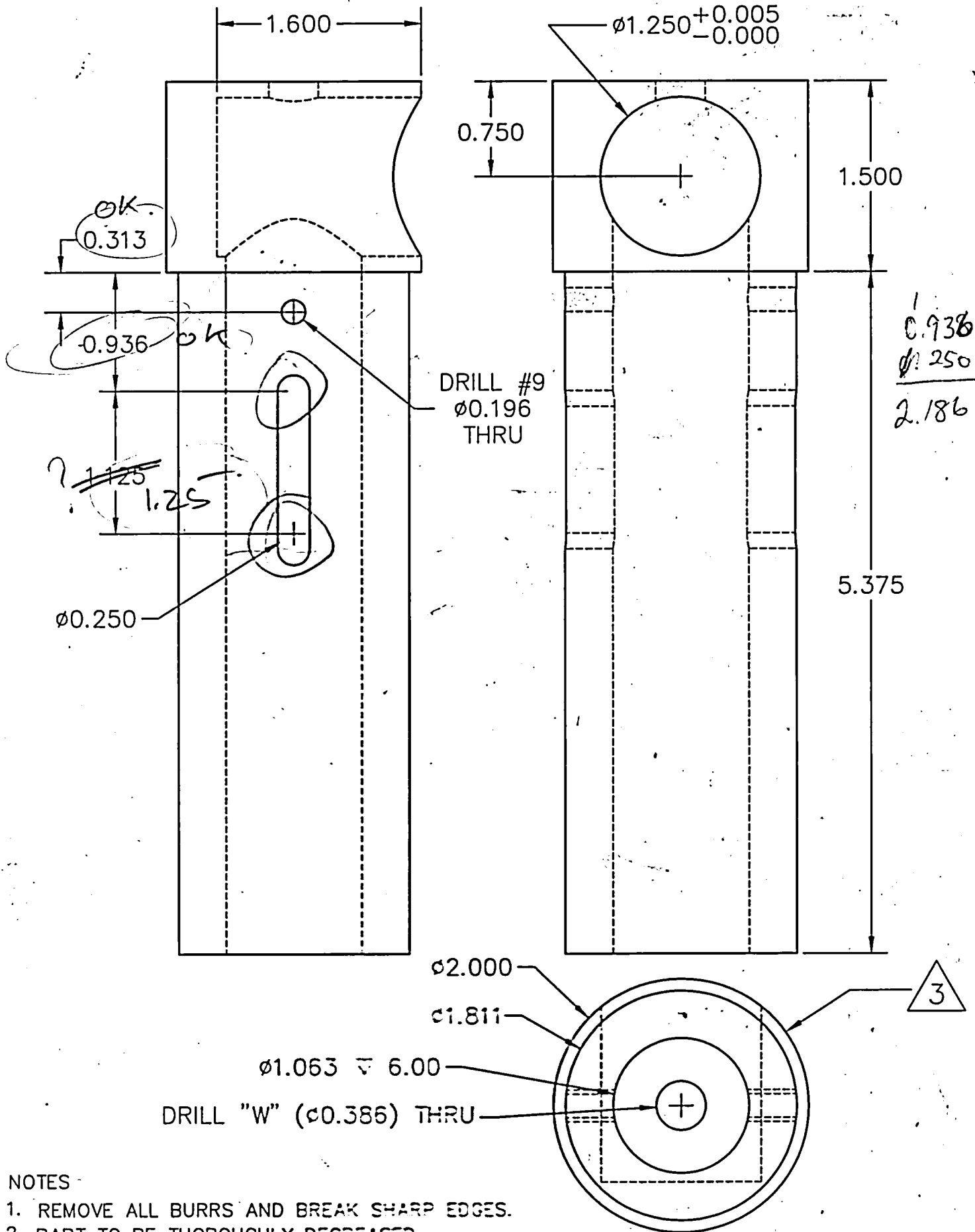
REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



1	79231-01	01	BEARING SLEEVE	304 STAINLESS STEEL BAR	ASTM-A276	ϕ 3.0 MIN
01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					

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	DRAWN: R. RATHWELL		22/04/08						
	CHECKED: E. BURGOIN				<div>BELL 212, 412, 205A-1, 205B</div> <div>CARGO DEPLOYMENT ARM</div> <div>BEARING SLEEVE</div>				
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1								
		SCALE 1 : 1		DWG. SIZE		DWG. NO.		REV.	
		SHEET 1 OF 1		LGL		79231		0	

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		



NOTES

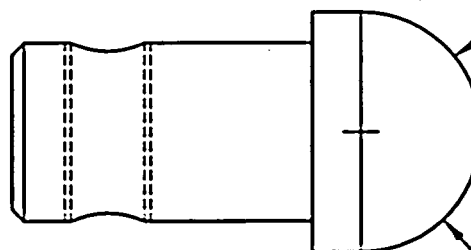
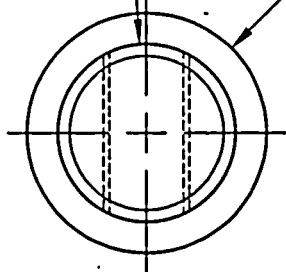
1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
 2. PART TO BE THOROUGHLY DEGREASED.
- 3 PRIME AND PAINT THIS SURFACE ONLY. ALL OTHER SURFACES TO BE MASKED.

1	75833-01	01	STANCHION ADAPTER	10051-T6 ALUM BAR	ASM-QQ-A-200/8	DIA 2.0"
01	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE
QTY	LIST OF MATERIALS					
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			DRAWN: R. RATHWELL	22/04/03		
			CHECKED: E. BURGOIN			
			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2° X.XX ±0.03 X.X ±0.1		BELL 212, 412, 205A-1, 205B MODIFICATION STANCHION ADAPTER	
			SCALE 1 : 1	DWG. SIZE	DWG. NO.	REV.
SHEET 1 OF 1			LGL	75833	0	

REV.	DESCRIPTION OF CHANGE	INITIALS	DATE
0	INITIAL ISSUE		
1	REPLACED LOCKNUTS WITH HELICOILS	RR	22/05/08

907022
 $\phi 0.928^{+0.000}_{-0.010}$

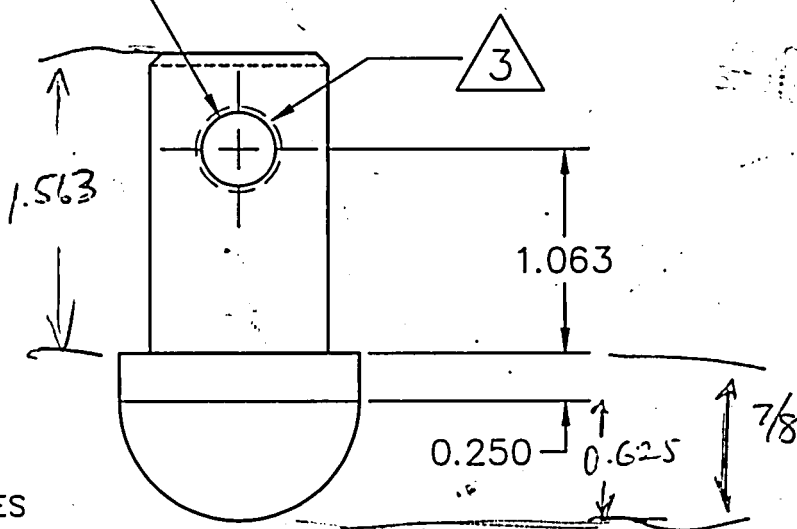
($\phi 1.25$) STOCK



4

DRILL 25/64 THRU
TAP HELICOIL TOOL 6FPB

(R0.625)



FINGER, TAB

1X2 BAR 907028

NOTES

1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. ITEM 2 "PLUG STN 105" TO BE THOROUGHLY DEGREASED AND ALODINED PRIOR TO ASSEMBLY.
- 3 INSERT ITEM 03 (HELICOIL) PER HELICOIL INSTALLATION INSTRUCTIONS - WITH LOCTITE2440.
- 4 PRIME AND PAINT THIS SURFACE ONLY

2	3591-5CN625	03	HELICOIL 3/8-28 LOCKING			
1	75824-02	02	PLUG STN 105	6061-T6 ALUM BAR	ASM-QQ-A-200/3	1.25 DIA
	75824-01	01	ASSEMBLY, PLUG, STN 105			
QTY	PART NO.	ITEM	DESCRIPTION	MATERIAL	MATERIAL SPEC	STOCK SIZE

LIST OF MATERIALS

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	DRAWN: R. RATHWELL		22/04/08		CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M			
	CHECKED: E. BURGON				2013 - 39TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7			
					tel: (403) 250-8027 fax: (403) 250-5333 www.aerodesign.ca			
					BELL 212, 412, 205A-1, 205B			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON:				RAPPEL MOUNT PROVISION		
		DECIMALS ANGLES				ASSEMBLY, PLUG, STN 105		
		X.XXX ±0.010 ±1/2"		SCALE 1 : 1		DWG SIZE : A4 75824		
		X.XX ±0.03		SHEET 1 OF 1		REV.		
		X.X ±0.1				1		